

Abstract of the Disclosure

Coaxial line having forced cooling

- 5 A coaxial line, via which HF currents of more than 1 MW may
be transmitted due to improved cooling, even in continuous
operation, includes an inner conductor (3), through which
the coolant may be conducted. The coolant may be supplied
and removed via hollow insulating material struts (5).
- 10 Particularly if a liquid coolant is used, a significant
savings in weight is achieved practically without reducing
the efficiency of the cooling if a tube (7) of smaller
diameter is positioned in the inner conductor (3) and the
coolant only flows through the annular space (8) between
15 this tube (7) and the inner conductor (3).